



MEMORANDUM

To: Mayor and Members of the City Council

From: Dwan A. Bell, MPA, Public Utilities Director
Montre' D. Freeman, City Manager

Cc: Raymond C. Staten, Assistant Public Utilities Director
Randy C. Lassiter, Jr., Public Utilities Project Manager
Hashim Harper, Purchasing Manager

Date: June 9, 2023

Subj: Consideration – Award of FY 2023-2024 Chemical Purchase Contracts

BACKGROUND:

The City solicits bids annually for the purchase of chemicals used at the Water and Wastewater Treatment facilities. For fiscal year 2023-2024, chemical bids were received through the purchasing office.

ANALYSIS:

The following is a summary of the lowest and best bidders for chemicals. The Bid / Quote Summary was prepared by purchasing, and shows the apparent lowest and best bids received.

JCI Jones Chemicals, Inc. – Milford, VA

Liquid Chlorine – \$2,134.00 per cylinder – Approx. 62 one-ton cylinders in six-ton Deliveries

Brenntag, Durham, NC Liquid Sulfur Dioxide – \$201.00 per cylinder – Approx. 220 (150 lb) cylinders per year

Hydrofluorosilicic Acid 23% – \$0.46 per lb. – Approx. 40 ea 550 lb drums in eight drum deliveries

SNF Polydyne Inc. – Riceboro, GA

Clarifloc A-210P - \$1.33 per lb. – Approx. 2 ea in 2,300 lb (275 gal) IBC Tote

Liquid Polymer C-6266 - \$1.53 per lb. – Apprx 12 ea in 2,300 lb (275 gal) IBC Tote

Univar Solutions USA, Inc. – Morrisville, PA

Ammonium Hydroxide 29.4% – \$640.00 per ton – Approx. 21 tons in seven wet ton deliveries

Greer Industries, Inc. – Morganton, WV Hydrated Lime – \$300.48 per ton – Approx. 1110 tons per year

Carus, Malvern PA Sodium Hexametaphosphate – \$126.50 per bag – Approx. 200 (50 lb) in 30 bag deliveries

AirGas, Charlotte, NC Liquid Carbon Dioxide – \$440.00 per ton – Approx. 25 tons in five ton deliveries

Superb Solutions, Waverly, VA Aluminum Sulfate 50% – \$370.19 per dry ton – Approx. 312 dry tons in 12 dry ton deliveries

The following is an estimated breakdown of the chemicals used and the estimated cost for FY 2023-24 at both the Water and Wastewater Treatment facilities.

Chemical	Units	Unit Cost	Water Plant		Waste Plant	
			Est. Quantity	Est. Cost	Est. Quantity	Est. Cost
Hydrate Lime	ton	\$ 300.48	1110	\$ 333,532.80		
Alum. Sulfate 50%	ton, dry	\$ 370.19	312	\$ 115,499.28		
Sodium Hex.	bag(50lb)	\$ 126.50	200	\$ 25,300.00		
Clarifloc A-210P	lb.	\$ 1.33	4600	\$ 6,118.00		
Liquid Chlorine	cylinder (1-ton)	\$ 2,134.00	40	\$ 85,360.00	22	\$ 46,948.00
Hydrofluosilicic Acid 23%	lb.	\$ 0.46	22000	\$ 10,120.00		
Ammon. Hydroxide 29.4%	ton, wet	\$ 640.00	21	\$ 13,440.00		
Liquid Carbon Dioxide	ton	\$ 440.00	25	\$ 11,000.00		
Polymer C-6266	lb.	\$ 1.53			27600	\$ 42,228.00
Liquid Sulfur Dioxide	cylinder (150lb.)	\$ 201.00			220	\$ 44,220.00
		TOTAL		\$ 600,370.08		\$ 133,396.00

STAFF RECOMMENDATION:

By motion, award chemical bids as presented for use at the Water and Wastewater Treatment Facilities.